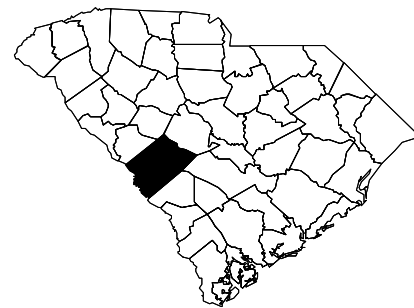


# IMPACT OF CHRONIC CONDITIONS AIKEN County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Aiken county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Aiken county's population is similar to the state population. The majority (38%) of the population in Aiken county are between the ages of 18-44. However, there are more females (52%) than males (48%). Aiken county has a slightly lower minority population (28%) than the state (32%). When adults in Aiken county were asked about their general health status, 79.1% reported having excellent, very good, or good health in 2002 (SC was 83%).

	AIKEN COUNTY	STATE
<b>Population size</b>	145,276	4,107,183
<b>Age distribution (%)</b>		
<18	24	24
18-44	38	40
45-64	25	24
65-84	12	11
85+	1	1
<b>Race (%)</b>		
White	72	68
Black & Other	28	32
<b>Sex (%)</b>		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Aiken County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	33	27
Sedentary lifestyle	39	42
Overweight	64	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons of age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination.

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30.8	.	.	.	.	28.4
Number of hospitalizations	103	63	40	39	64	5,173
Standard rate of hospitalizations (per 100,000)	68	186	34	56	76	125
Median age of hospitalized patients	63	58	73	58	68	63
Total cost of hospitalization (\$)	1,303,400	718,400	585,000	463,600	839,800	79,350,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	84	45	39	33	51	7,306
Standard rate of ED visits (per 100,000)	55	127	32	48	62	175
Median age of ED patients	53	48	63	58	48	53
Total cost of ED visits (\$)	57,200	33,600	23,600	22,500	34,700	5,902,800
Number of deaths*	31	15	16	17	14	366
Standard death rate (per 100,000)*	21	50	13	27	16	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.63	.	.	.	.	5.13
Number of hospitalizations	484	88	396	287	197	30,831
Standard rate of hospitalizations (per 100,000)	313	274	322	413	227	734
Median age of hospitalized patients	63	63	68	63	68	68
Total cost of hospitalization (\$)	17,557,300	2,487,600	15,069,700	10,388,300	7,169,000	969,122,700
Average length of hospital stay (days)	4	5	4	4	5	5
Number of ED visits	37	7	30	19	18	2,754
Standard rate of ED visits (per 100,000)	24	22	24	26	21	66
Median age of ED patients	63	70	63	58	63	63
Total cost of ED visits (\$)	214,200	23,600	190,600	128,200	86,000	10,617,900
Number of deaths*	355	67	287	178	177	9,723
Standard death rate (per 100,000)*	242	227	247	299	202	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.1	.	.	.	.	2.38
Number of hospitalizations	283	81	202	126	157	14,317
Standard rate of hospitalizations (per 100,000)	185	256	166	186	180	351
Median age of hospitalized patients	73	70	73	73	78	73
Total cost of hospitalization (\$)	5,449,100	1,829,000	3,620,100	2,501,500	2,947,600	279,819,700
Average length of hospital stay (days)	6	8	5	6	6	6
Number of ED visits	35	6	29	19	16	2,732
Standard rate of ED visits (per 100,000)	23	19	24	29	19	67
Median age of ED patients	63	75	63	63	63	73
Total cost of ED visits (\$)	81,400	17,200	64,200	49,900	31,500	6,322,600
Number of deaths*	77	18	58	27	50	2,816
Standard death rate (per 100,000)*	54	61	51	49	57	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	268	61	207	115	153	14,524
Standard rate of hospitalizations (per 100,000)	174	169	170	169	182	351
Median age of hospitalized patients	63	58	63	63	63	58
Total cost of hospitalization (\$)	3,446,600	694,200	2,752,400	1,631,400	1,815,200	198,700,700
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ED visits	609	305	304	254	355	37,517
Standard rate of ED visits (per 100,000)	419	752	286	362	470	914
Median age of ED patients	23	18	33	13	33	33
Total cost of ED visits (\$)	577,200	284,900	292,300	271,300	305,900	30,607,600
Number of deaths*	82	5	77	36	46	1,891
Standard death rate (per 100,000)*	56	19	65	59	52	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.89	.	.	.	.	8.33
Number of hospitalizations	169	95	74	80	89	8,652
Standard rate of hospitalizations (per 100,000)	113	272	64	119	109	207
Median age of hospitalized patients	53	53	53	58	50	53
Total cost of hospitalization (\$)	1,845,000	958,100	886,900	1,042,100	802,900	127,167,500
Average length of hospital stay (days)	5	5	5	6	4	6
Number of ED visits	210	115	95	101	109	9,316
Standard rate of ED visits (per 100,000)	139	334	83	149	134	224
Median age of ED patients	53	68	48	43	63	53
Total cost of ED visits (\$)	196,400	103,600	92,800	101,800	94,600	8,261,100
Number of deaths*	35	19	16	8	8	1,114
Standard death rate (per 100,000)*	23	64	13	14	12	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	481	142	339	149	332	24,644
Standard rate of hospitalizations (per 100,000)	316	411	283	225	408	591
Median age of hospitalized patients	58	53	63	68	55	58
Total cost of hospitalization (\$)	10,651,700	2,972,400	7,679,300	4,017,100	6,634,600	605,119,300
Average length of hospital stay (days)	6	6	5	7	5	6
Number of deaths*	340	75	263	179	161	8,320
Standard death rate (per 100,000)*	224	250	216	281	187	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	46	13	33	16	30	2,113
Standard rate of hospitalizations (per 100,000)	30	41	26	24	34	51
Median age of hospitalized patients	73	68	73	73	73	68
Total cost of hospitalization (\$)	1,419,200	491,900	927,300	421,000	998,200	80,248,200
Average length of hospital stay (days)	8	10	8	7	9	10
Number of deaths*	33	3	30	18	15	807
Standard death rate (per 100,000)*	22	11	25	30	17	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	27	4	23	.	27	1,465
Standard rate of hospitalizations (per 100,000)	17	11	19	.	32	35
Median age of hospitalized patients	63	48	68	.	63	63
Total cost of hospitalization (\$)	319,600	45,100	274,500	.	319,600	21,213,600
Average length of hospital stay (days)	2	1	2	.	2	3
Number of deaths*	27	7	20	-	27	630
Standard death rate (per 100,000)*	18	22	17	-	32	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	4	5	3	.	7	5
Median age of hospitalized patients	63	43	65	.	63	48
Total cost of hospitalization (\$)	107,900	54,800	53,100	.	107,900	3,668,300
Average length of hospital stay (days)	7	15	3	.	6	4
Number of deaths*	1	5	-	6	3	26
Standard death rate (per 100,000)*	3	4	-	7	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	30	5	25	20	10	2,154
Standard rate of hospitalizations (per 100,000)	19	15	20	27	12	51
Median age of hospitalized patients	63	63	68	63	65	68
Total cost of hospitalization (\$)	692,200	121,600	570,600	414,200	278,000	70,474,400
Average length of hospital stay (days)	6	7	6	6	8	9
Number of deaths*	109	16	93	73	36	2,481
Standard death rate (per 100,000)*	70	52	75	111	42	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	24	8	16	24	.	1,353
Standard rate of hospitalizations (per 100,000)	16	28	13	38	.	32
Median age of hospitalized patients	68	73	68	68	.	68
Total cost of hospitalization (\$)	364,500	121,700	242,800	364,500	.	24,726,200
Average length of hospital stay (days)	3	2	3	3	.	4
Number of deaths*	13	3	10	13	-	478
Standard death rate (per 100,000)*	9	10	9	23	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

#### For more information about

#### Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH  
Bureau of Epidemiology  
SC Department of Health and Environmental Control  
1800 St. Julian Place, Suite 406  
Columbia, SC 29204  
Tel (803) 545-4920

#### Hospital discharges and EDvisits, contact:

Sandra Kelly  
Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958  
[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)

